

WST2

The Washington State Department of Transportation's
Highways & Local Programs and WST2 Center present:

Troubleshooting Roundabout Design

June 14, 2005 (#1004)

**Edmonds Conference Center, 201 Fourth Avenue N.
Edmonds, WA 98020 (425) 640-1808**

*June 16, 2005 (#1005)
(Class Canceled)*

*Lacey Community Center, 6729 Pacific Avenue
Lacey, WA 98509 (360) 412-3191*

October 4, 2005 (#1037)

**WSDOT SW Region Headquarters, 11018 NE 51st Circle
Vancouver, WA 98682 (360) 905-2000**

*October 5, 2005 (#1038)
(Class Canceled)*

*Hal Holmes Community Center, 201 North Ruby
Ellensburg, WA 98926 (509) 962-7240*

October 12, 2005 (#1058)

**Hampton Inn at Bellingham Airport,
3985 Bennett Drive, Bellingham, WA 98225
(360) 676-7700**

(The phone numbers above can be used in case of emergency to contact a person in the class.)

Cost: \$100

Time: 8:00 am to 5:00 pm

Maximum Class Size: 30

Instructors

Patrick McGrady and Michelle Mach, Reid Middleton, Inc. Patrick and Michelle are civil/transportation engineers with 12 and 7 years experience respectively in roundabout analysis and design. Their roundabout experience includes public involvement, establishing design criteria, evaluating roundabout feasibility, conceptual layouts, traffic analysis, and full PS&E. In addition to participating in the WSDOT Roundabout Task Force they are annual guest lecturers on roundabouts at the University of Washington. Patrick and Michelle have made roundabout presentations at the 83rd Annual Transportation Research Board Meeting (Washington DC), Oregon State APWA Conference (Bend, OR), Oregon ITE Technical Session (Portland, OR), WSDOT Northwest Region Design Construction Conference (Seattle, WA), Washington ITE Annual Meeting (Bellevue, WA) and others.

Course Description

Students will participate in hands-on roundabout design. Exercises include site specific conditions that influence the choice of roundabout control. Students will troubleshoot roundabout designs to identify and remove fatal flaws and refine the design for safe efficient traffic operations. The instructors will show how to establish a balance between design elements and avoid common pitfalls in single and multi-lane roundabout design that rob capacity and contribute to collisions.

Course Objectives

The course will highlight that it is the responsibility of the designer to distinguish negotiable and non-negotiable elements in roundabout design and how these elements interact to produce the desired driver



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behavior through the intersection. Students will achieve a basic understanding that a strict adherence to roundabout design standards does not guarantee a safe and efficient design.

Target Audience

Traffic analysts, roadway designers, staff that are part of plan review for roundabout or roadway design, and their immediate supervisors.

Questions? Contact Laurel Gray at (360) 705-7355 or GrayL@wsdot.wa.gov.

Class Registration

Please register on-line using this link: [On-line Registration Form](#). Fill in your information*, select your class from the drop-down menu, then press "Submit." You will receive an e-mail notification with driving directions to the training site when we process your request. **If you do not receive this e-mail notification within a day or two, you may not be registered and should contact us by phone.**

Confirmation letters will be mailed three weeks before the class, and invoices will be mailed to your accounting office. If you are unable to attend, someone else from your agency may attend in your place. To cancel your registration, or for assistance with registration, e-mail wst2center@wsdot.wa.gov or schmidw@wsdot.wa.gov or phone (360) 705-7386.

* A "unique identifier" for each student is now required when registering on-line. It may contain 3 to 8 alpha and/or numeric characters. You might use your phone extension number, a pet's name, your birthstone, birthdate, etc. but please make it something you will remember. Our computer will match your last name with your identifier to automatically and quickly register you into a class (providing there is space available).

(Disability accommodations provided upon request.)

Washington State Technology Transfer Center's Web Page:

www.wsdot.wa.gov/TA/T2Center/t2hp.htm



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